





N Male to N Male Low Loss Test Cable 24 Inch Length Using PE-P142LL Coax, RoHS

RF Cable Assemblies Technical Data Sheet

PE343-24

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	5	10	18	GHz
Insertion Loss (Max.)	0.62	0.7	0.84	1.02	1.22	dB
Power Handling (Max.)	700	400	300	220	160	Watts

**Electrical Specification Notes:**

Power handling values are calculated based on Cable properties. Power handling will vary based on the actual VSWR of the cable assembly.

**Mechanical Specifications**

**Cable Assembly**

Length	24 in [609.6 mm]
Diameter	0.822 in [20.88 mm]
Weight	0.0768 lbs [34.84 g]

**Cable**

Cable Type	PE-P142LL
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	3
Shield Layer 1	Silver Plated Copper Tape
Shield Layer 2	Aluminum Polyester
Shield Layer 3	Silver Plated Copper Wire
Jacket Material	FEP, Green
Jacket Diameter	0.195 in [4.95 mm]

Repeated Minimum Bend Radius	1 in [25.4 mm]
------------------------------	----------------

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to N Male Low Loss Test Cable 24 Inch Length Using PE-P142LL Coax, RoHS PE343-24](#)





N Male to N Male Low Loss Test Cable 24 Inch  
Length Using PE-P142LL Coax, RoHS

## RF Cable Assemblies Technical Data Sheet

PE343-24

### Connectors

Description	Connector 1	Connector 2
Type	N Male	N Male
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	ASTM-B488, 50 $\mu$ Inch.	ASTM-B488, 50 $\mu$ Inch.
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Outer Conductor Plating Specification	SAE-AMS-2700	SAE-AMS-2700
Coupling Nut Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Plating Specification	SAE-AMS-2700	SAE-AMS-2700
Hex Size	3/4 Inch	3/4 Inch
Torque	14 in-lbs [1.58 Nm]	14 in-lbs [1.58 Nm]

### Environmental Specifications

#### Temperature

Operating Range -55 to +125 deg C

### Compliance Certifications (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant Yes  
REACH Compliant 07/19/2006

### Plotted and Other Data

Notes:

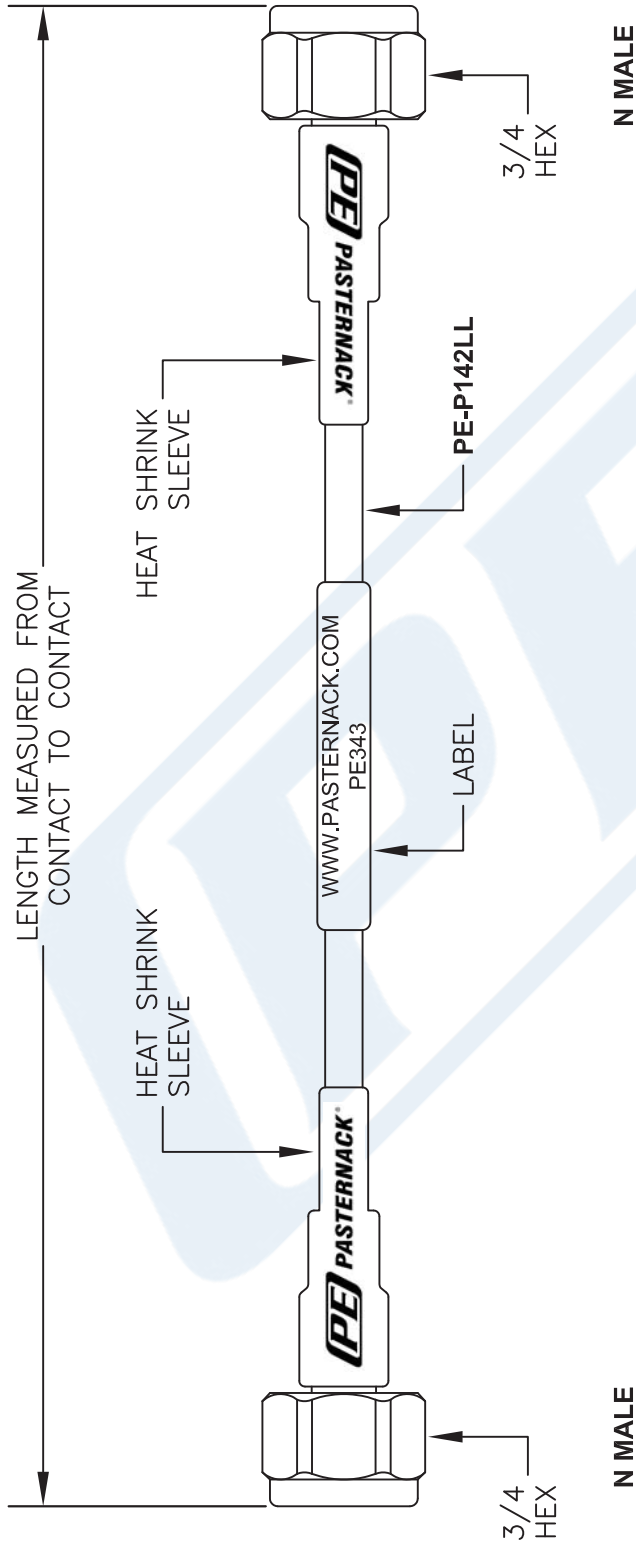
- Values at 25°C, sea level.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to N Male Low Loss Test Cable 24 Inch Length Using PE-P142LL Coax, RoHS PE343-24](#)



# PE343-24 CAD Drawing

N Male to N Male Low Loss Test Cable 24 Inch Length Using PE-P142LL Coax, RoHS



**NOTE:**  
 LABEL FOR CABLE LENGTHS 48" OR SHORTER TO BE CENTERED. 48" OR LONGER WILL BE 12" AWAY FROM CONNECTOR.

Part Number Configuration		How To Order	
PE3	[ZZZ] - [XX] [UU]	Part # Ext.	Length In Inches
00 - 999999	< Blank > = Inches Length	-12	12"
		-24	24"
		-36	36"
		-48	48"
		-60	60"
		-xx	Custom Length
		Part # Ext.	Length In Centimeters
		-25CM	25Cm
		-50CM	50Cm
		-75CM	75Cm
		-100CM	100Cm
		-125CM	125Cm
		-xxCM	Custom Length

- NOTES:**
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
  2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
  3. DIMENSIONS ARE IN INCHES [mm].
  4. LENGTH TOLERANCE IS ± 1.5% OR 3/8", WHICHEVER IS GREATER.

DWG TITLE  
**PE343**

**PE PASTERNAK®**  
 Pasternack Enterprises, Inc.  
 P.O. Box 16759 | Irvine | CA | 92623  
 Phone: (949) 261-1920 | Fax: (949) 261-7451  
 Website: www.pasternack.com | E-Mail: sales@pasternack.com

FSCM NO. 53919	CAD FILE 091713	SCALE N/A	SIZE A	2233
----------------	-----------------	-----------	--------	------